
RUSSELL COUNTY

(Russell County Water Service Area Map)

- Estimated 1999 population of 16,500--70% on public water
- Estimated 2020 population of 18,100--81% on public water
- 355 miles of water lines, with plans for 42 additional miles
- Estimated funding needs for public water 2000-2005--\$933,000
- Estimated funding needs for public water 2006-2020--\$932,000

Russell County had an estimated population of 16,529 (6,944 households) in 1999 with a projected population of 18,052 (8,090 households) in 2020. Public water is provided to about 70 percent of the county's residents. In areas of the county not served by public water, about 5/6 of the households rely on private domestic wells and 1/6 of the households rely on other sources. About 910 customers will be added to public water service through new line extensions in 2000-2020.

Estimated Costs - Proposed Projects, 2000-2005

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	In \$1000	in \$1000	in \$1000	in \$1000	in \$1000
RUSSELL								-
Jamestown	7.2	274	373					373
Russell Springs	10.8	341	560					560
Total	18	615	933					933

Estimated Costs - Proposed Projects, 2006-2020

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	in \$1000	in \$1000	in \$1000	in \$1000	in \$1000
RUSSELL								-
Jamestown	12.2	159	490					490
Russell Springs	11.1	134	442					442
Total	23.3	293	932					932

PUBLIC WATER SYSTEMS

Russell County has 2 municipal water systems, Jamestown Municipal Water Works and Russell Springs Water & Sewer System. Western Pulaski Water District also serves homes in the eastern part of the county.

WATER SERVICE AREAS

RUSSELL COUNTY

Kentucky

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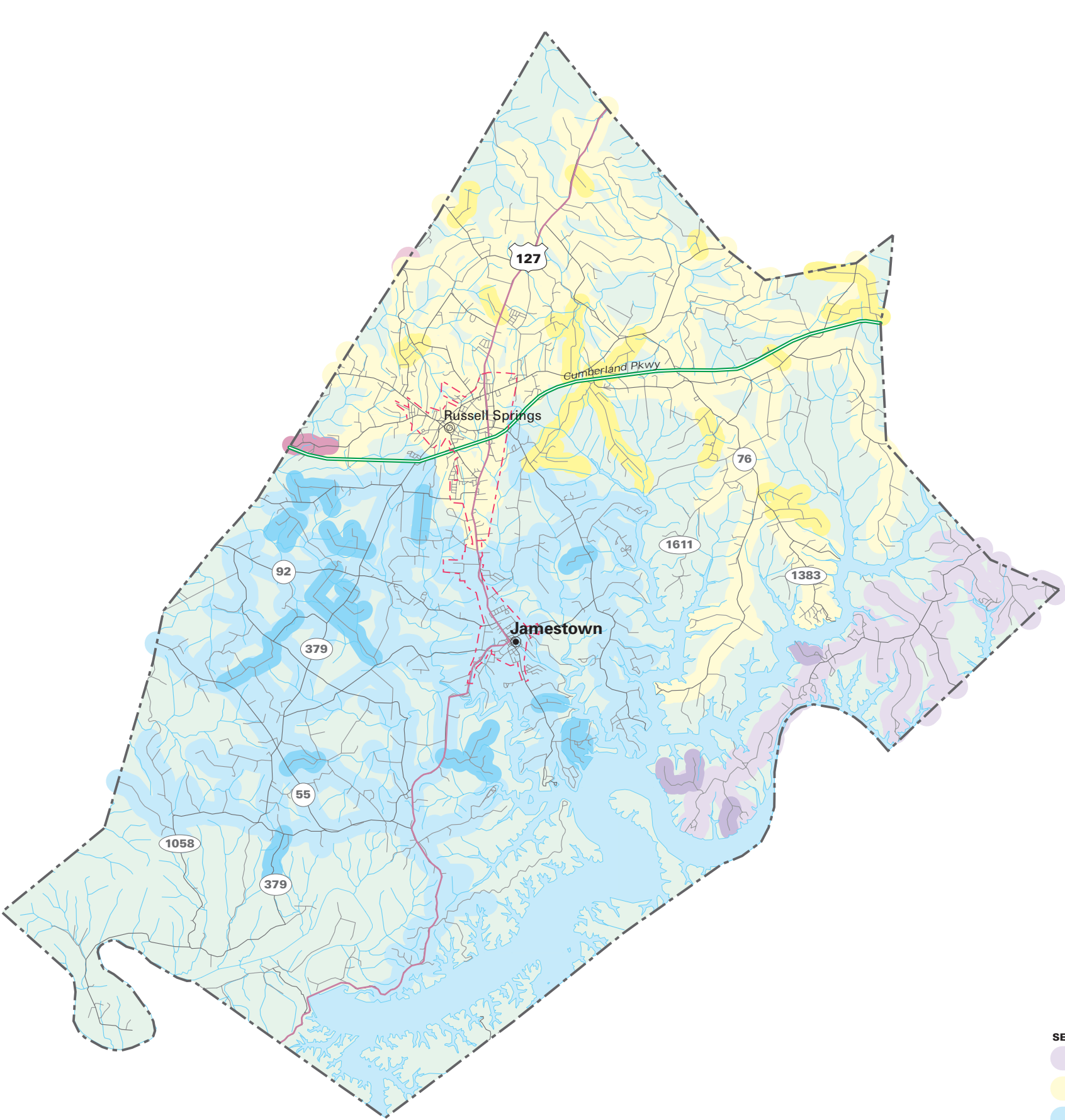
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WATER SERVICE STATUS BY OWNER			
EXISTING SERVICE AREA	PROPOSED SERVICE AREA		
		WESTERN PULASKI COUNTY WATER DISTRICT	
		RUSSELL SPRINGS WATER AND SEWER SYSTEM	
		JAMESTOWN MUNICIPAL WATER WORKS	
		ADAIR COUNTY WATER DISTRICT	

JAMESTOWN MUNICIPAL WATER WORKS

PWSID: 1040210
System Type: COMMUNITY
Owner Type: MUNICIPAL
Surface Source: GREASY CREEK BRANCH/LAKE CUMBERLAND
Purchase Source:
Well Source:
Sells Water to: ADAIR COUNTY WATER DISTRICT
Treatment Plant Capacity (MGD): 3.80
Percent Daily Average Production: 72.00
Total Tank Storage Capacity (gallons): 0.00
Total Service Connections: 2,260.00
Number of Employees: 8.00
Treatment Operator Class: 2D
Distribution Operator Class: 4A
Customer Rate for 1,000 Gallons: Not available
O/M costs 1997: Not available
O/M costs per Service Connection: Not available
Net Revenue 1997: Not available
Total Water Produced 1997 (gallons): Not available
Water Sold 1997 (gallons): Not available
Unaccounted-for Water 1997 (%): Not available

RUSSELL SPRINGS WATER AND SEWER SYSTEM

PWSID: 1040377
System Type: COMMUNITY
Owner Type: MUNICIPAL
Surface Source:
Purchase Source:
Well Source:
Sells Water to: ADAIR COUNTY WATER DISTRICT
Treatment Plant Capacity (MGD): 0.00
Percent Daily Average Production: 0.00
Total Tank Storage Capacity (gallons): 200,000.00
Total Service Connections: 2,375.00
Number of Employees: 8.00
Treatment Operator Class: 2D
Distribution Operator Class: 3A
Customer Rate for 1,000 Gallons: Not available
O/M costs 1997: Not available
O/M costs per Service Connection: Not available
Net Revenue 1997: Not available
Total Water Produced 1997 (gallons): Not available
Water Sold 1997 (gallons): Not available
Unaccounted-for Water 1997 (%): Not available

PRIVATE DOMESTIC SYSTEMS

About 4,800 people in Russell County rely on private domestic water supplies: 4,000 on wells and 800 on other sources.

In the northwestern third of Russell County about three-quarters of the drilled wells yield enough water for domestic use. Throughout the rest of the county only a few wells yield adequate amounts of water for a domestic supply except in areas close to the Cumberland River in the southern end of the county. In the southern end of the county most wells are adequate for a domestic supply, especially from wells that penetrate small solution openings within the limestone bedrock.
